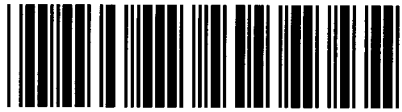


Control Number: 43340



Item Number: 11

Addendum StartPage: 0



WATERENGINEERS, INC.

WATER & WASTEWATER TREATMENT CONSULTANTS
17230 HUFFMEISTER ROAD, SUITE A-CYPRESS, TEXAS 77429-1643
TEL: 281-373-0500 FAX: 281-373-1113

November 26, 2014

Public Utility Commission of Texas
Central Records
1701 N. Congress, Suite 8-100
Austin, TX 78701

Re: Application from Crystal Springs Water Company, Inc.
to Amend Water CCN No. 11373 in Montgomery County, TX
Docket No. 43340

RECEIVED
2014 DEC -2 PM 12:05
PUBLIC UTILITY COMMISSION
FILING CLERK

Dear Mr. Henley:

Please accept the following in response to Order No. 3 – Finding Application Deficient, Establishing Deadlines and Opportunity to Cure for Crystal Springs Water Company, Inc. and Memorandum from Mary Lupo, Water Utility Division – Docket No. 43340.

1. **SUBMITTAL OF PLANS AND SPECIFICATIONS:** The water system plans and specifications were originally submitted to TCEQ in May 2014. However, a series of miscommunications resulted in the submittal being “dumped”, unbeknownst to us. We have resubmitted the plans and specifications to TCEQ and the Approval to Construct Letter from TCEQ dated November 5, 2014 is attached.

Please feel free to contact me if you require any additional information or if you have any questions regarding this submittal.

Sincerely,
WATERENGINEERS, INC.

Shelley Young, P.E.
Project Engineer

Encl. – 10 copies of attachments

Bryan W. Shaw, Ph.D., P.E., *Chairman*
Toby Baker, *Commissioner*
Zak Covar, *Commissioner*
Richard A. Hyde, P.E., *Executive Director*



PWS_1700435_CO_20141105_Plan Ltr

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 5, 2014

Mr. D. Ray Young, P.E.
Water Engineers, Inc.
17230 Huffmeister Road, Suite A
Cypress, Texas 77429

Re: Country West - Public Water System ID No. 1700435
Proposed Willis Waukegen Wells and Plant
Engineer Contact Telephone: (281) 373-0500
Plan Review Log No. P-10142014-109
Montgomery County, Texas

CN600633655; RN102692324

Dear Mr. Young:

On October 14, 2014, the Texas Commission of Environmental Quality (TCEQ) received your submittal for the proposed wells and plant for the above referenced public water system. The proposed water plant will be constructed in three phases to serve approximately 350 residential lots. Based on the review of the information submitted, the project generally meets the minimum requirements of Title 30 Texas Administrative Code (TAC) Chapter 290 - Rules and Regulations for Public Water Systems and is **conditionally approved for construction** provided that the project meets the following requirements:

1. The space between the casing and drill hole shall be sealed by using enough cement under pressure to completely fill and seal the annular space between the casing and the drill hole. The well casing shall be cemented in this manner from the top of the shallowest formation to be developed to the earth's surface. The driller shall utilize a pressure cementation method in accordance with the Standard for Water Wells (A100-06), Appendix C: Section C.2 (Positive Displacement Exterior Method); Section C.3 (Interior Method Without Plug); Section C.4 (Positive Placement, Interior Method, Drillable Plug); and Section C.5 (Placement Through Float Shoe Attached to Bottom of Casing) per 30 TAC Section 290.41(c)(3)(C).
2. Disinfection equipment shall have a capacity at least 50% greater than the highest expected dosage to be applied at any time. It shall be capable of satisfactory operation under every prevailing hydraulic condition in accordance with 30 TAC Section 290.42(e)(3)(A).

Mr. D. Ray Young, P.E.
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November 5, 2014

3. All clearwells, ground storage tanks, standpipes, and elevated tanks shall be painted, disinfected, and maintained in strict accordance with current American Water Works Association (AWWA) standards. However, no temporary coatings, wax grease coatings, or coating materials containing lead will be allowed. No other coatings will be allowed which are not approved for use (as a contact surface with potable water) by the Environmental Protection Agency, National Sanitation Foundation (NSF), or United States Food and Drug Administration (FDA). All newly installed coatings must conform to American National Standards Institute (ANSI)/NSF Standard 61 and must be certified by an organization accredited by ANSI as required in 30 TAC Section 290.43(c)(8).

An appointed engineer must notify the TCEQ's Region 12 Office in Houston at (713) 767-3500 when construction will start.

Texas Water Code Section 36.0015 allows for the creation of groundwater conservation districts (GCD) as the preferred method of groundwater management. GCDs manage groundwater in many counties and are authorized to regulate production and spacing of water wells. **Public water systems drilling wells within an existing GCD are responsible for meeting the GCD requirements.** The authorization provided in this letter does not affect GCD authority to manage groundwater or issue permits.

The design engineer or water system representative must notify the Utilities Technical Review Team in writing by fax at (512)239-6972 or email pritesh.tripathi@tceq.texas.gov and cc.vera.poe@tceq.texas.gov at least 48 hours before the well casing pressure cementing begins. If pressure cementing begins on a Monday, they must give notification on the preceding Thursday. If pressure cementing begins on a Tuesday, they must give notification on the preceding Friday.

The TCEQ does not approve this well for use as a public water supply at this time. We have enclosed a copy of the "Public Well Completion Data Checklist for Interim Approval." We provide this checklist to help you obtain interim approval to use this well before we can give final approval.

The submittal consisted of 14 sheets of engineering drawings, technical specifications and an engineering summary. The proposed project consists of:

Phase I

- One public water supply well (Well No. 1) drilled to 350 feet with 330 linear feet (l.f.) of 6-inch outside diameter (o.d.) pressure cemented steel casing.;
- 20 l.f. of 4-inch stainless steel slot screen;
- The well is rated for 150 gallons per minute (g.p.m.) yield with a 20 horsepower submersible pump set at 294 feet below ground level. The design capacity of the pump is 150 g.p.m.;
- 5,496 gallon American Society of Mechanical Engineers code hydropneumatic water pressure tank No. 1;
- One 60 kilowatt rated diesel powered generator to operate well and booster pump;

Mr. D. Ray Young, P.E.
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November 5, 2014

- A polyphosphate tank and a sodium hypochlorite tank along with containment, injectors and related appurtenances enclosed in a building;
- Well sealing block; and
- Various valves, fittings, yard piping, controls and appurtenances.

Phase II

- 65,775 gallon bolted galvanized steel AWWA D103 standard ground storage tank No. 1;
- Four-plex booster pump station equipped with two booster pumps, each rated at 275 g.p.m. at 127 total dynamic head;
- Associated valves, fittings and related appurtenances.

Phase III

- One public water supply well (Well No. 2) drilled to 528 feet with 500 l.f. of 4 -inch o.d. pressure cemented steel casing ;
- 28 l.f. of 4-inch stainless steel slot screen;
- The well is rated for 175 g.p.m. yield with a 25 horsepower submersible pump set at 250 feet below ground level. The design capacity of the pump is 175 g.p.m.;
- 65,775 gallon bolted galvanized steel AWWA D103 standard ground storage tank No. 2;
- Two additional booster pumps, each rated at 275 g.p.m. at 127 total dynamic head;
- Well sealing block; and
- Various valves, fittings, yard piping, controls and appurtenances.

This approval is for the construction of the above listed items only

The Country West public water system provides water treatment for the system.

The wells site along with water plant will be located approximately 200 feet north of the intersection of Waukegan Road and Gulf Coast & Santa Fe Rail Road.

Please keep in mind that within 60 days of project completion the engineer must attest in writing that the project was constructed as described in the approved plans, specifications and any change orders filed with the TCEQ as required in 30 TAC Section 290.39(h)(3).

Please refer to the Utilities Technical Review Team's Log No. P-10142014-109 in all correspondence for this project. This will help complete our review and prevent it from being considered a new project.

Please complete a copy of the most current Public Water System Plan Review Submittal form for any future submittals. Every blank on the form must be completed to minimize any delays in the review of your project. The document is available on TCEQ's website at the address shown below.

<http://www.tceq.texas.gov/drinkingwater/planrev.html>

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November 5, 2014

For future reference, you can review part of the Utilities Technical Review Team's database to see if we have received your project. This is available on the TCEQ's website at the following address:

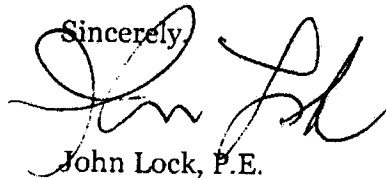
<http://www.tceq.texas.gov/drinkingwater/planrev.html#status>

You can download most of the well construction checklists and the latest revision of Chapter 290 "Rules and Regulations for Public Water Systems" from this site.

If you have any questions regarding this letter or need additional assistance, please contact Pritesh Tripathi at (512) 239-3794 or by email at "pritesh.tripathi@tceq.texas.gov" or by correspondence at the following address:

Utilities Technical Review Team, MC-159
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, Texas 78711-3087

Sincerely,



John Lock, P.E.
Utilities Technical Review Team
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality



Joel Klumpp, Acting Manager
Plan and Technical Review Section
Water Supply Division
Texas Commission on Environmental Quality

PT/JL/AL/av

Enclosure: "Public Well Completion Data Checklist for Interim Approval"

cc: Country West - Attn: Mr. Larry Purcell, President, P.O. Box 603, Porter, Texas 77365